

ABSTRACT:

In a transponder (1) and an integrated circuit (5), the integrated circuit (5) has two circuit sections (18, 19) that are arranged for supply with two supply voltages of different levels (VL-HV, VL-LV), a first rectifier circuit (20) and a limiter stage (21) connected downstream of the first rectifier circuit (20) being provided, from which limiter stage (21) the higher, first supply voltage (VL-HV) for the first circuit section (18) can be picked off, and a second rectifier circuit (23) and a control stage (24) to control said second rectifier circuit (23) being provided, from which second rectifier circuit (23) the lower, second supply voltage (VL-LV) for the second circuit section (19) can be picked off without passing through an intervening limiter stage.

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Fig. 1